

8

FULL-LENGTH

Mississippi

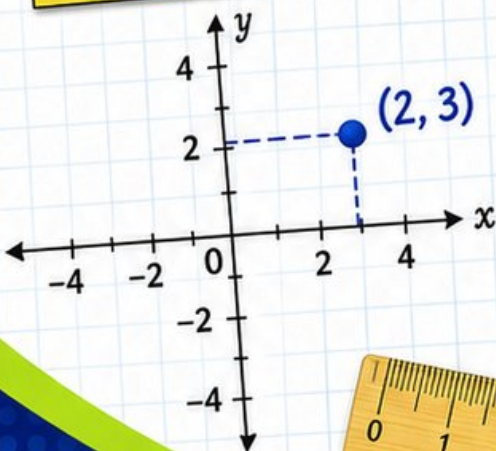
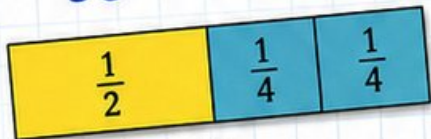
MAAP

GRADE 5

MATH PRACTICE TESTS

Mixed Practice Questions with Answer Key
for Students, Parents, and Teachers

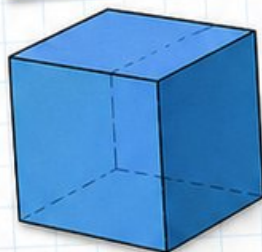
$$36 \div 4 = 9$$



$$2.4 \times 7 = 16.8$$

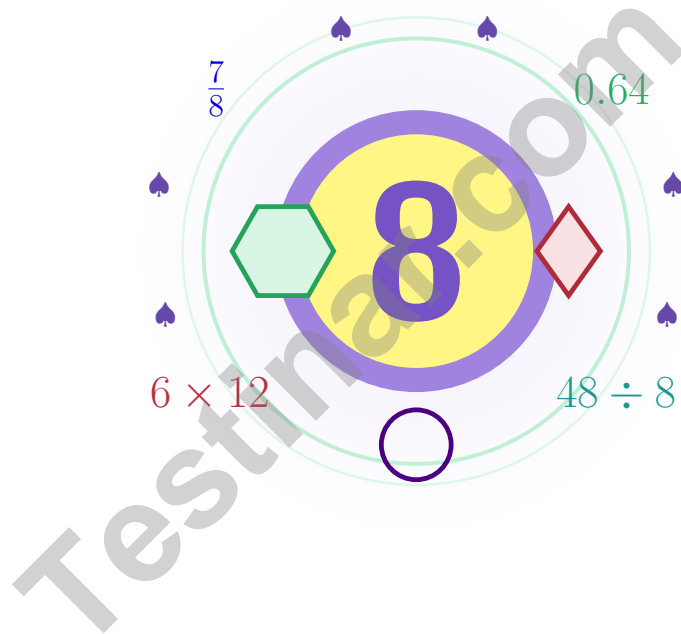
$$7 \times (12 - 5) = 49$$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



8 Mississippi MAAP Grade 5 Math Practice Tests

This book is here to help you practice, reflect, and rise across eight tests



Eight full tests, a focused quick review, and helpful support that turns Grade 5 practice in The Magnolia State into steady, confident growth from page one to the final check.

Jay Daie and Reza Nazari



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Open the Trail, Mississippi

Seven practice tests woven into one calm routine

Welcome Letter for Mississippi Math Trail Crew

This practice book is your steady companion for eight tests, not a place to be perfect. Strong math grows like a magnolia: slowly, gracefully, with blossoms that show up after lots of patient root work.

Use these eight tests like stepping-stones. Take one test at a time, check your answers honestly, and notice which skills need more attention. Small improvements add up across seven rounds.

See

See the question fully before you start the math.

Plan

Pick a strategy that fits the numbers in front of you.

Build

Build the answer step by step, no shortcuts.

A strong habit for Mississippi mathematicians: read carefully, estimate when it helps, show your steps, and keep going even when a question feels tricky. That is how steady math confidence is built.

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A Map of the Pages

A simple routine that turns practice into progress

Step 1: Set Up

Pencil ready, distractions gone.

Spend a few minutes waking up your memory before the test begins.

Step 2: Work the Test

Take a full test like the real day.

Work in a calm spot and focus on careful thinking before speed.

Step 3: Look Back

Walk through your answers without rushing.

Circle missed questions and notice which topics keep showing up.

Step 4: Climb Higher

Pick one or two skills to sharpen next.

Read the explanation, repair the work, and bring that lesson into the next test.



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Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

Perimeter of Rectangle $P = 2l + 2w$ or $P = 2(l + w)$

Area of Rectangle $A = l \times w$

Area of Triangle $A = \frac{1}{2} \times b \times h$

Volume of Rectangular Prism $V = l \times w \times h$

LENGTH

Customary

1 foot (ft) = 12 inches (in.)

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1 yard (yd) = 36 inches (in.)

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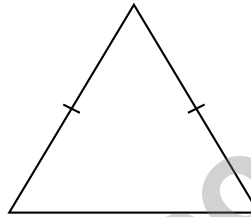


- 1) A bakery makes muffins. Each muffin weighs 110 grams. How many muffins can be made from 5.5 kilograms of dough?

Use: 1 kilogram = 1,000 grams

- A. 40 muffins
 B. 45 muffins
 C. 50 muffins
 D. 55 muffins

- 2) Two sides of the triangle below are marked with a single tick mark to show they are the same length. What type of triangle is it?



- A. Scalene
 B. Right
 C. Equilateral
 D. Isosceles

- 3) Pattern X: 4, 7, 10, 13, 16. Pattern Y: 12, 21, 30, 39, 48. Use the T-chart to find the rule.

X	Y
4	12
7	21
10	30
13	39

- A. Multiply each X value by 3
 B. Add 8 to each X value
 C. Double each X value, then add 4
 D. Double each X value, then add 2



4) Subtract: $\frac{5}{9} - \frac{1}{6}$

A. $\frac{4}{3}$

B. $\frac{4}{15}$

C. $\frac{10}{15}$

D. $\frac{7}{18}$

5) Multiply: $3 \times 2\frac{2}{5}$

A. 8

B. $6\frac{2}{5}$

C. $7\frac{1}{5}$

D. $7\frac{3}{5}$

6) Identify the correct rounding statement:

A. 6.234 rounded to the nearest tenth is 6.24

B. 6.234 rounded to the nearest tenth is 6.2

C. 6.234 rounded to the nearest whole number is 7

D. 6.234 rounded to the nearest hundredth is 6.24

7) What is $2,500 \div 10$?

A. 25

B. 25,000

C. 2.5

D. 250

8)

40×10 $= 400$	3×10 $= 30$
40×10 $= 400$	3×10 $= 30$

This area model shows the partial products for 43×20 . What is the total?

A. 820

B. 860

C. 880

D. 900



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- 1) When you multiply 7.2 by a number less than 1, what will be true about the product?
- A. The product is larger than 7.2 C. The product equals 7.2
 B. The product is smaller than 7.2 D. The product is negative
- 2) Pattern: 81, 27, 9, 3, ... Next?
- A. 1 C. 3
 B. 2 D. 0
- 3) Evaluate: $(15 + 5) \div 4 + 3 \times 2$
- A. 16 C. 14
 B. 12 D. 11
- 4) A carpenter has a board $9\frac{7}{8}$ feet long. She cuts off $4\frac{3}{8}$ feet. How long is the remaining piece?
- A. 6 ft C. $5\frac{5}{8}$ ft
 B. $5\frac{3}{8}$ ft D. $5\frac{1}{2}$ ft
- 5) A composite art display is made from two non-overlapping rectangular prisms. Prism A is 5 meters long, 4 meters wide, and 4 meters tall. Prism B is 6 meters long, 2 meters wide, and 4 meters tall. What is the total volume?
- A. 80 cubic meters C. 148 cubic meters
 B. 48 cubic meters D. 128 cubic meters
- 6) A ribbon is 5 yards long. Each strip is one half yard. Which division equation matches the situation?
- A. $\frac{1}{2} \div 5 = n$ C. $5 \div \frac{1}{2} = n$
 B. $5 \times \frac{1}{2} = n$ D. $5 + \frac{1}{2} = n$



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- 1) The table shows several products and their number of trailing zeros. Based on the pattern, how many zeros does 300×400 have?

Expression	Product	Zeros
3×4	12	0
30×40	1,200	2
300×40	12,000	3
300×400	?	?

- A. 4
- B. 5
- C. 6
- D. 7
- 2) A composite science fair model is made from two non-overlapping rectangular prisms. Prism A is 5 inches long, 4 inches wide, and 2 inches tall. Prism B is 6 inches long, 4 inches wide, and 1 inches tall. What is the total volume?
- A. 40 cubic inches
- B. 64 cubic inches
- C. 24 cubic inches
- D. 84 cubic inches
- 3) A road is 35 kilometers long. If a shortcut is $\frac{3}{7}$ of the road length, how long is the shortcut?
- A. 5 km
- B. 15 km
- C. 25 km
- D. 35 km
- 4) A carpenter cuts a board into pieces. The original board is 8 feet 6 inches long. One piece is 3 feet 4 inches and another is 2 feet 8 inches. How much board remains?
- Use: 1 foot = 12 inches*
- A. 1 foot 2 inches
- B. 1 foot 6 inches
- C. 2 feet 2 inches
- D. 2 feet 6 inches



Practice Test Answer Keys

How to use this section:

1. check your answer
2. circle missed questions
3. rework them before reading the explanation

Good correction habits build strong scores.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice C is correct.** **(5.MD.1)** Total dough: $5.5 \text{ kg} = 5,500 \text{ grams}$. Muffins: $5,500 \div 110 = 50$ muffins.
- 2) **Choice D is correct.** **(5.G.4)** The two sides with tick marks are equal, making this an isosceles triangle.
- 3) **Choice A is correct.** **(5.OA.3)** Pattern Y is always 3 times Pattern X: $4 \times 3 = 12$, $7 \times 3 = 21$, $10 \times 3 = 30$, $13 \times 3 = 39$.
- 4) **Choice D is correct.** **(5.NF.2)** LCD = 18. $\frac{5}{9} = \frac{10}{18}$; $\frac{1}{6} = \frac{3}{18}$. $\frac{10}{18} - \frac{3}{18} = \frac{7}{18}$.
- 5) **Choice C is correct.** **(5.NF.5b)** $3 \times 2\frac{2}{5} = 3 \times \frac{12}{5} = \frac{36}{5} = 7\frac{1}{5}$.
- 6) **Choice B is correct.** **(5.NF.5b)** Only B is correct. For the nearest tenth, look at the hundredths digit (3). Since $3 < 5$, the tenths stays 2, giving 6.2. A names the wrong place (6.24 has two decimal places, not one). C is wrong because the tenths digit (2) is less than 5, so 6.234 rounds down to 6, not up to 7. D is wrong because the thousandths digit is 4, so the hundredths stays 3, giving 6.23 (not 6.24).
- 7) **Choice D is correct.** **(5.NBT.2)** Dividing by 10 moves the decimal point one place to the left. $2,500 \div 10 = 250$.
- 8) **Choice B is correct.** **(5.NBT.2)** The model splits 43 into $40 + 3$ and splits 20 into $10 + 10$. Add the partial products: $400 + 30 + 400 + 30 = 860$.
- 9) **Choice D is correct.** **(5.NF.4b)** Area = $\frac{1}{2} \times \frac{2}{3} = \frac{2}{6} = \frac{1}{3}$ square miles.
- 10) **Choice D is correct.** **(5.NBT.3b)** All have ones place = 5. Compare tenths: 5.001 and 5.01 have 0; 5.1 and 5.11 have 1. Then hundredths and thousandths refine order.
- 11) **Choice C is correct.** **(5.MD.5)** Divide: $63.45 \div 3 = 21.15$ dollars per friend.
- 12) **Choice B is correct.** **(5.MD.5)** Each row multiplies 7 by a power of 10 with one more zero. For 10,000, the product is 70,000.
- 13) **Choice C is correct.** **(5.NBT.2)** Dividing by $10^3 = 1000$ shifts the decimal 3 places left.
- 14) **Choice C is correct.** **(5.NF.2)** $\frac{5}{9} \approx \frac{1}{2}$ and $\frac{5}{11} \approx \frac{1}{2}$. So $\frac{5}{9} + \frac{5}{11} \approx 1$.
- 15) **Choice A is correct.** **(5.NBT.7)** $24.63 - 18.97 = 5.66$. Requires borrowing from both ones and tens places.
- 16) **Choice D is correct.** **(5.NF.6)** $\frac{1}{2} \times 20 = \frac{20}{2} = 10$.
- 17) **Choice B is correct.** **(5.NBT.6)** $1,620 \div 27 = 60$ books per box. Check: $27 \times 60 = 1,620$.
- 18) **Choice B is correct.** **(5.NBT.6)** The base area is $12 \times 7 = 84$ square centimeters. Since $504 \div 84 = 6$, the height is 6 cm.
- 19) **The correct answer is $(25 + 4 \cdot 3) \div 2$.** **(5.OA.2)** The product of 4 and 3 is 4×3 ; add 25 to that product, then divide the entire result by 2.
- 20) **The correct answer is $3\frac{1}{3}$.** **(5.OA.2)** Five copies of $\frac{2}{3}$ give $\frac{10}{3}$. Three thirds make each whole, so $\frac{10}{3} = 3\frac{1}{3}$.
- 21) **Choice B is correct.** **(5.NF.4)** The correct sum is $\frac{3}{4} + \frac{2}{5} = \frac{15}{20} + \frac{8}{20} = \frac{23}{20}$. Tasha incorrectly added $3 + 2 = 5$ and $4 + 5 = 9$.
- 22) **Choices A, B are correct.** **(5.NF.7c)** The half-pound is shared equally among 3 sandwiches. Each share is $\frac{1}{2} \div 3 = \frac{1}{6}$ pound, so A and B are true.
- 23) **The correct answer is (3, 6).** **(5.G.2)** Move 3 units right for the x-coordinate and 6 units up for the y-coordinate, so the point is (3, 6).
- 24) **Choice D is correct.** **(5.G.2)** LCD of 10, 5, and 2 is 10. $\frac{1}{10} = \frac{1}{10}$, $\frac{1}{5} = \frac{2}{10}$, $\frac{1}{2} = \frac{5}{10}$.
- 25) **Choice A is correct.** **(5.NBT.2)** The product is correct: $25 \times 100 = 2500$. A more precise way to say the rule is that multiplying by 100 shifts the digits two places left in the place-value chart.
- 26) **Choice D is correct.** **(5.NBT.7)** Add: $1.89 + 2.14 = 4.03$ (hundredths: $9 + 4 = 13$, regroup; tenths: $8 + 1 + 1 = 10$, regroup; ones: $1 + 2 + 1 = 4$).
- 27) **Choice C is correct.** **(5.NBT.2)** $0.29 \times 1000 = 290$. Moving the decimal 3 places right requires multiplying by 10^3 .
- 28) **Choice C is correct.** **(5.MD.5a)** One box: $5 \times 4 \times 3 = 60 \text{ in}^3$. Two boxes: $60 \times 2 = 120 \text{ in}^3$.
- 29) **Choice C is correct.** **(5.NF.5a)** $\frac{7}{6} > 1$, so the product $36 \times \frac{7}{6} = 42 > 36$.
- 30) **Choice C is correct.** **(5.G.B)** If it is a quadrilateral with only one pair of parallel sides and is NOT a parallelogram, it must be a trapezoid.



Workshop Notes for an Inventor

Dear Math Inventor,

◇ 8 practice tests. 8 chances to invent new ways of thinking. You tried strategies, broke them, fixed them, and built them stronger. That's what inventors do. That's what you do. ◇

★ **What inventors know:** the first idea isn't always the best one. Sometimes you have to try, fail, learn, and try again. You've practiced that exact loop on every test. That practice is why your problem-solving brain is so flexible now. ★

Inventor's Workshop Inventory

- **Sketch Pad:** FULL of ideas! You can imagine multiple ways to solve.
- **Toolbox:** STOCKED! You have many strategies to draw on.
- **Workbench:** ORGANIZED! Your work is clear and step-by-step.
- **Invention Mindset:** STRONG! You're not afraid to try something new.

Inventor's tip: on test day, if your first idea doesn't work, switch tools. Try a different strategy. Inventors don't get stuck on one tool—they pick the right one for the job. Same on a math test.

If you want to share a proud moment or ask a question, please email me at jay@testinar.com. I'd love to hear from you!

Jay Daie

Your Math Inventor (Build Big Things)

$45 \div 5 = ?$

PRACTICE TODAY.

$\frac{3}{5} + \frac{1}{10} = ?$



ACHIEVE TOMORROW!



$3^2 + 4^2 = 25$

This book includes **8** full-length **Grade 5** math practice tests to help students master essential skills, build confidence, and achieve success. Each test is carefully designed to reflect real math standards and cover a variety of question types with detailed answer explanations.

$7x - 4 = 17$

$1\frac{1}{2} + 2\frac{1}{3} = ?$

8 FULL-LENGTH MATH PRACTICE TESTS



REALISTIC PRACTICE

Tests mirror Grade 5 math standards and real assessment formats.



ANSWER KEY INCLUDED

Detailed answer explanations help students understand and learn.



BUILD CONFIDENCE & SKILLS

Strengthens problem-solving abilities and reinforces key math concepts.



IMPROVE & TRACK PROGRESS

Identify strengths and focus on areas that need improvement.



ACHIEVE SUCCESS

Boosts test readiness and helps students achieve their best results.

COVERS ALL KEY GRADE 5 MATH TOPICS

- ✓ Whole Numbers & Operations
- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ Graphing & Data Analysis

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for more Grade 5 math resources and practice materials!



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